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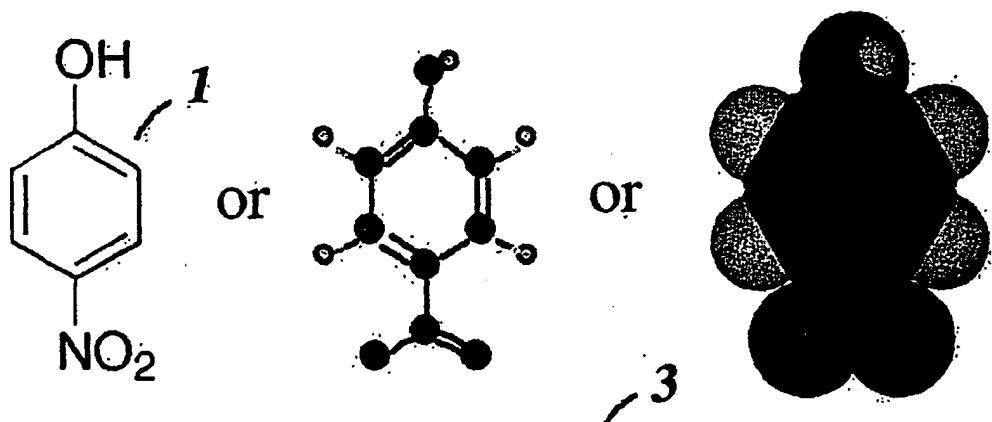
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structural characterization

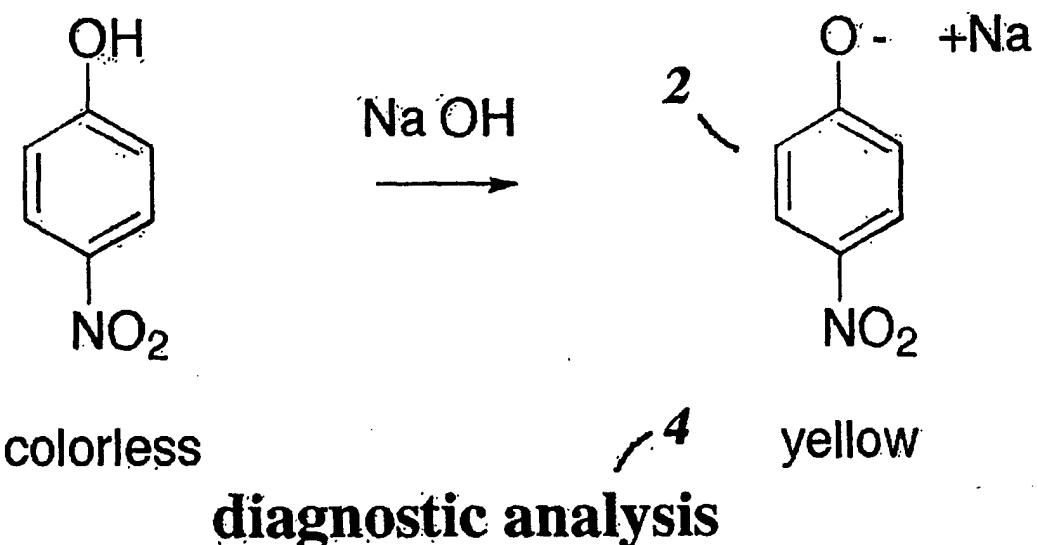


FIG. 1

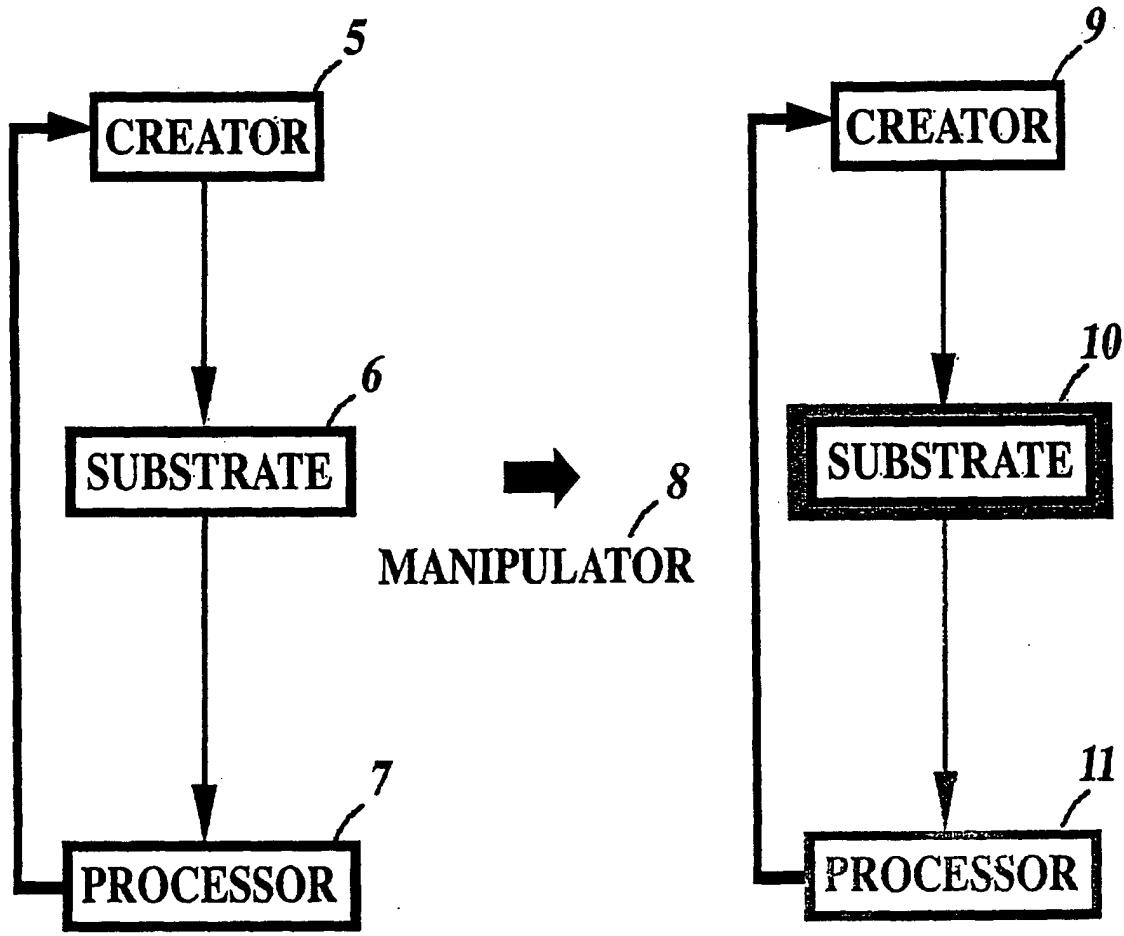


FIG. 2

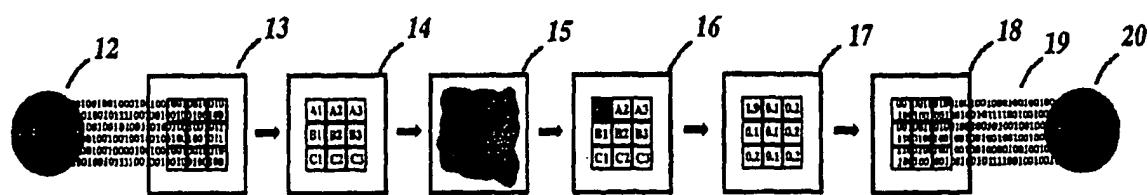


FIG. 3

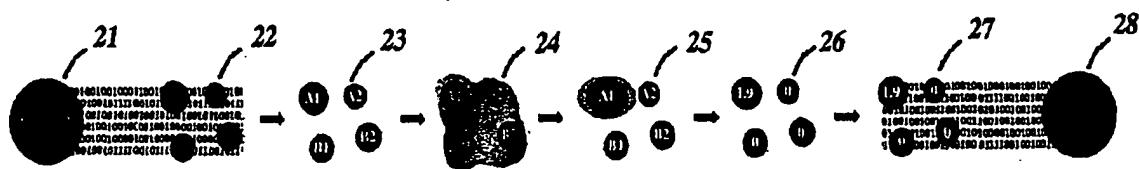


FIG. 4

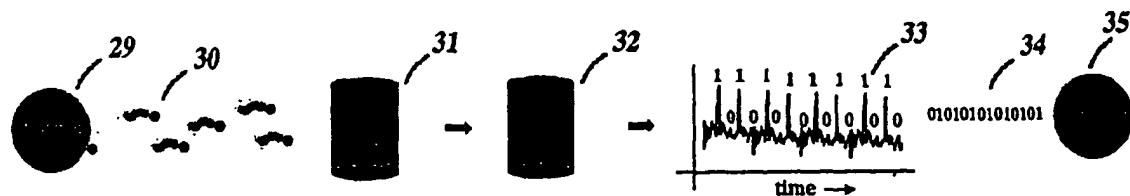


FIG. 5

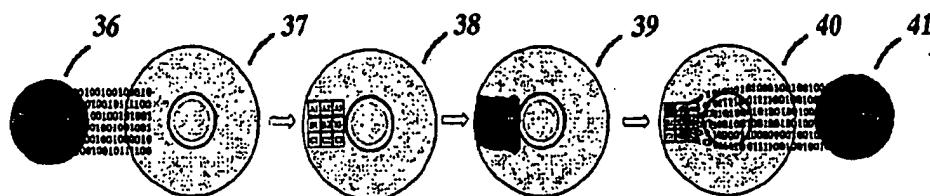


FIG. 6

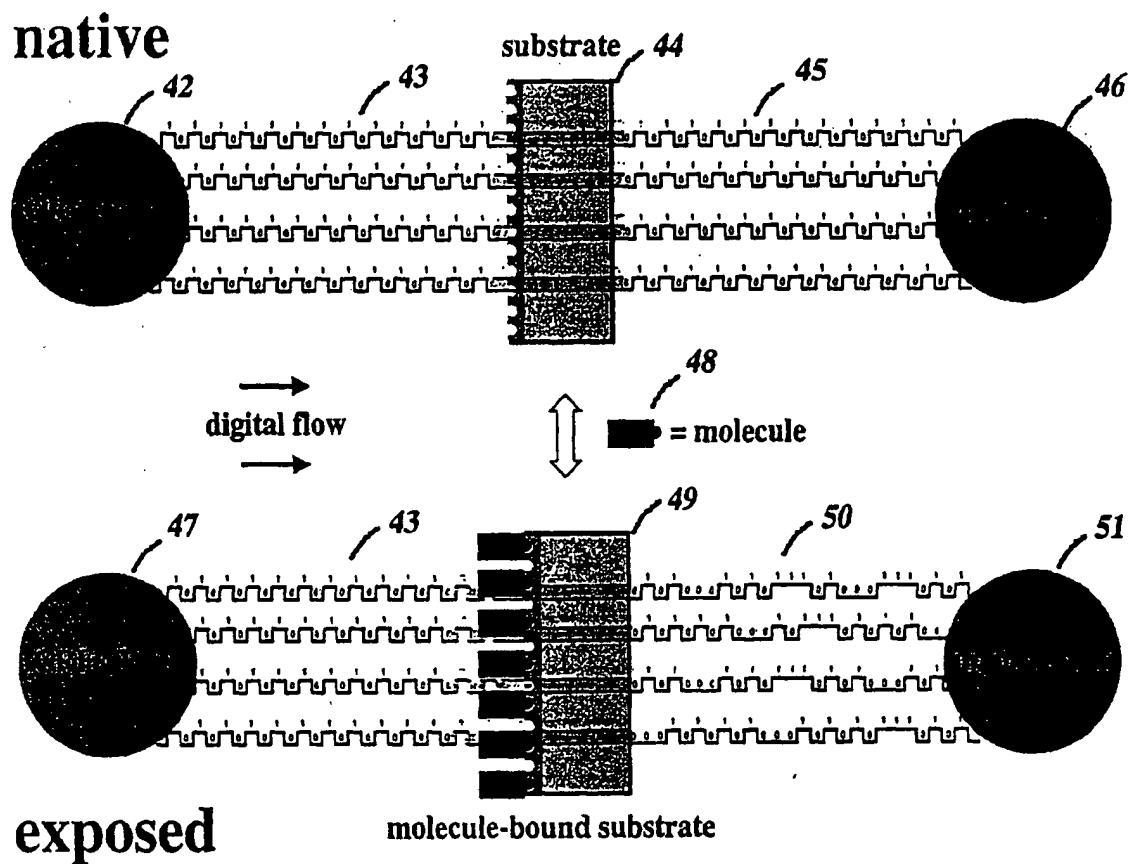
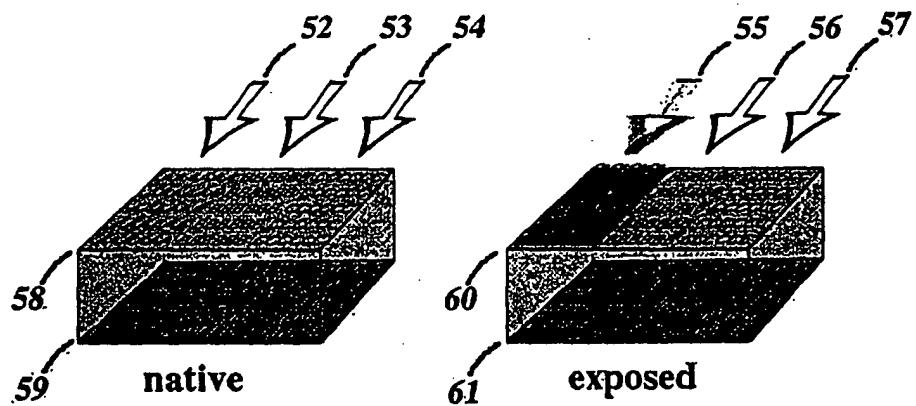


FIG. 7



	A	B	C	
native	00000000000000	010101010101	111111111111	
	00000000000000	010101010101	111111111111	
	00000000000000	010101010101	111111111111	
	00000000000000	010101010101	111111111111	
	00000000000000	010101010101	111111111111	
exposed	010010100100	010101010101	111111111111	
	001001001000	010101010101	111111111111	
	010000100010	010101010101	111111111111	
	011000001000	010101010101	111111111111	
	001000110010	010101010101	111111111111	
flux	010010100100	00000000000000	00000000000000	
	001001001000	00000000000000	00000000000000	
	010000100010	00000000000000	00000000000000	
	011000001000	00000000000000	00000000000000	
	001000110010	00000000000000	00000000000000	

FIG. 8

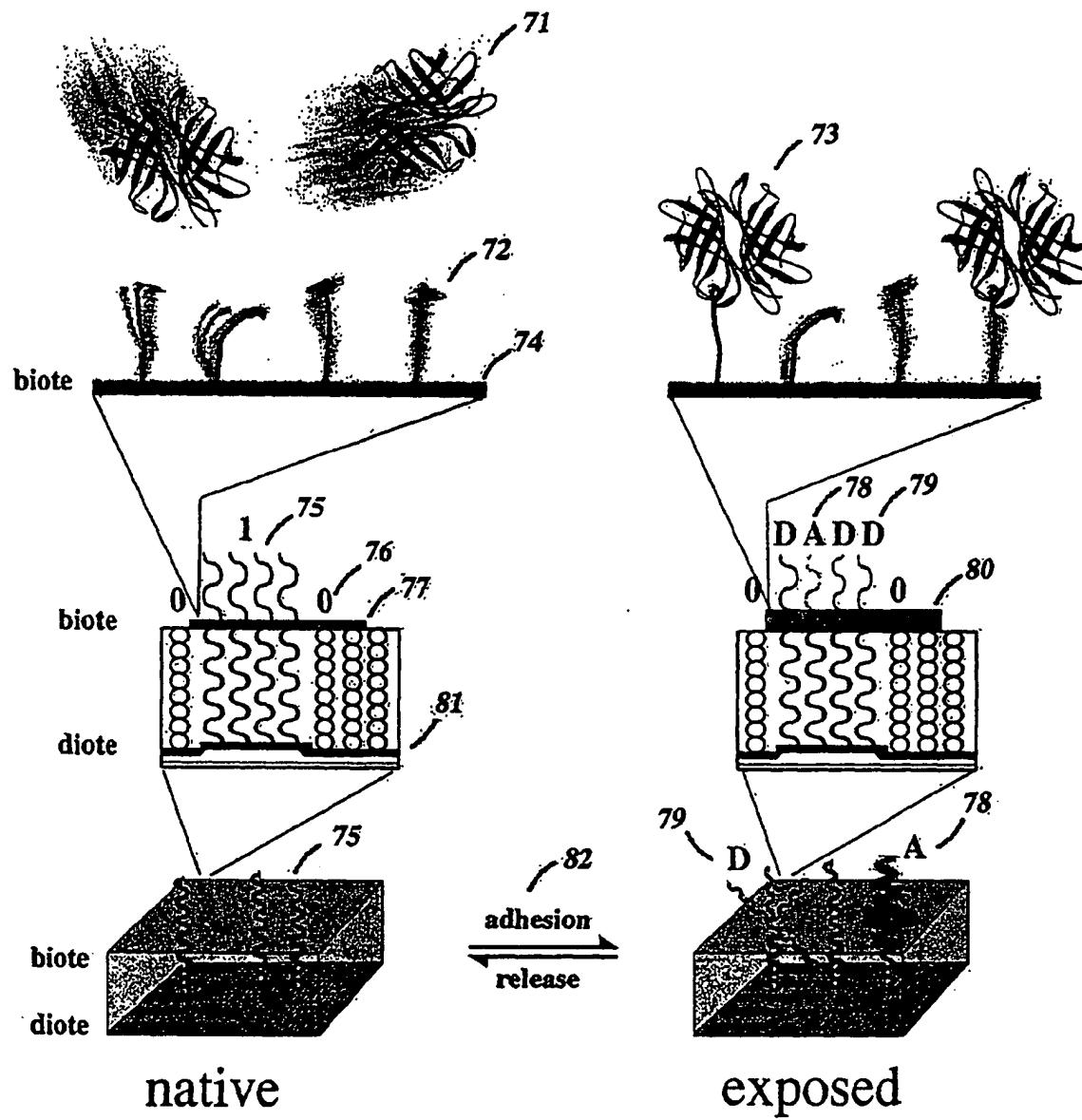


FIG. 9

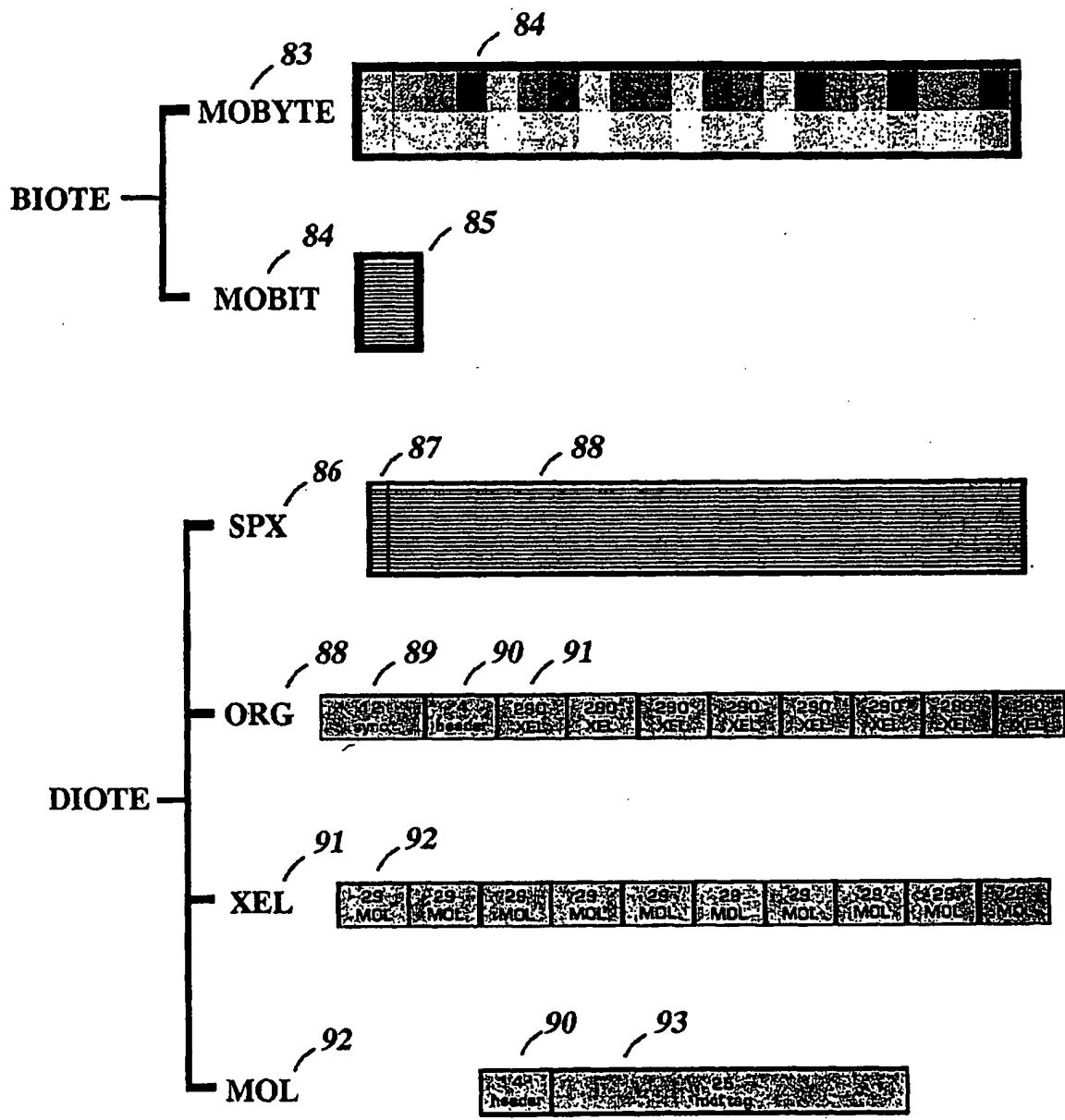
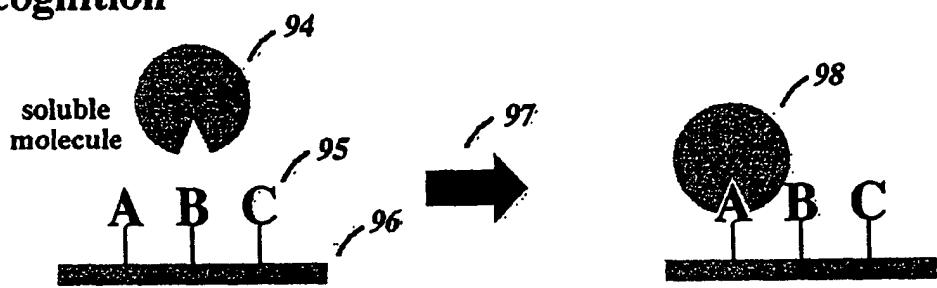
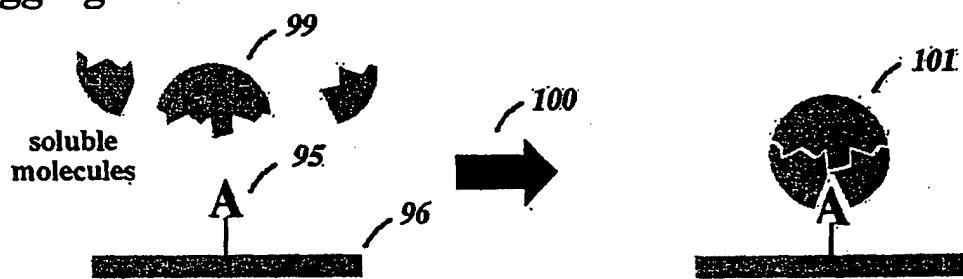


FIG. 10

Recognition



Aggregation



Reactivity

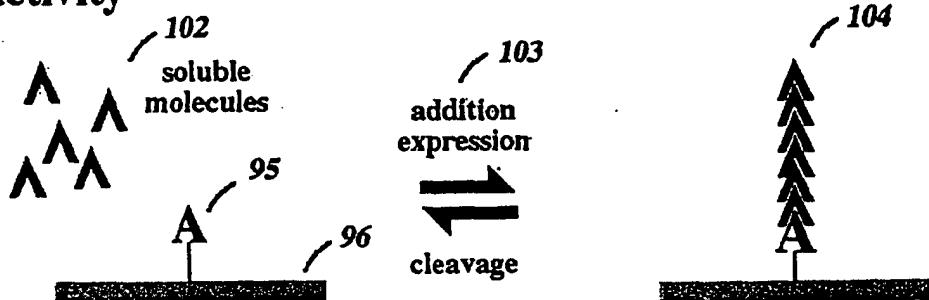


FIG. 11

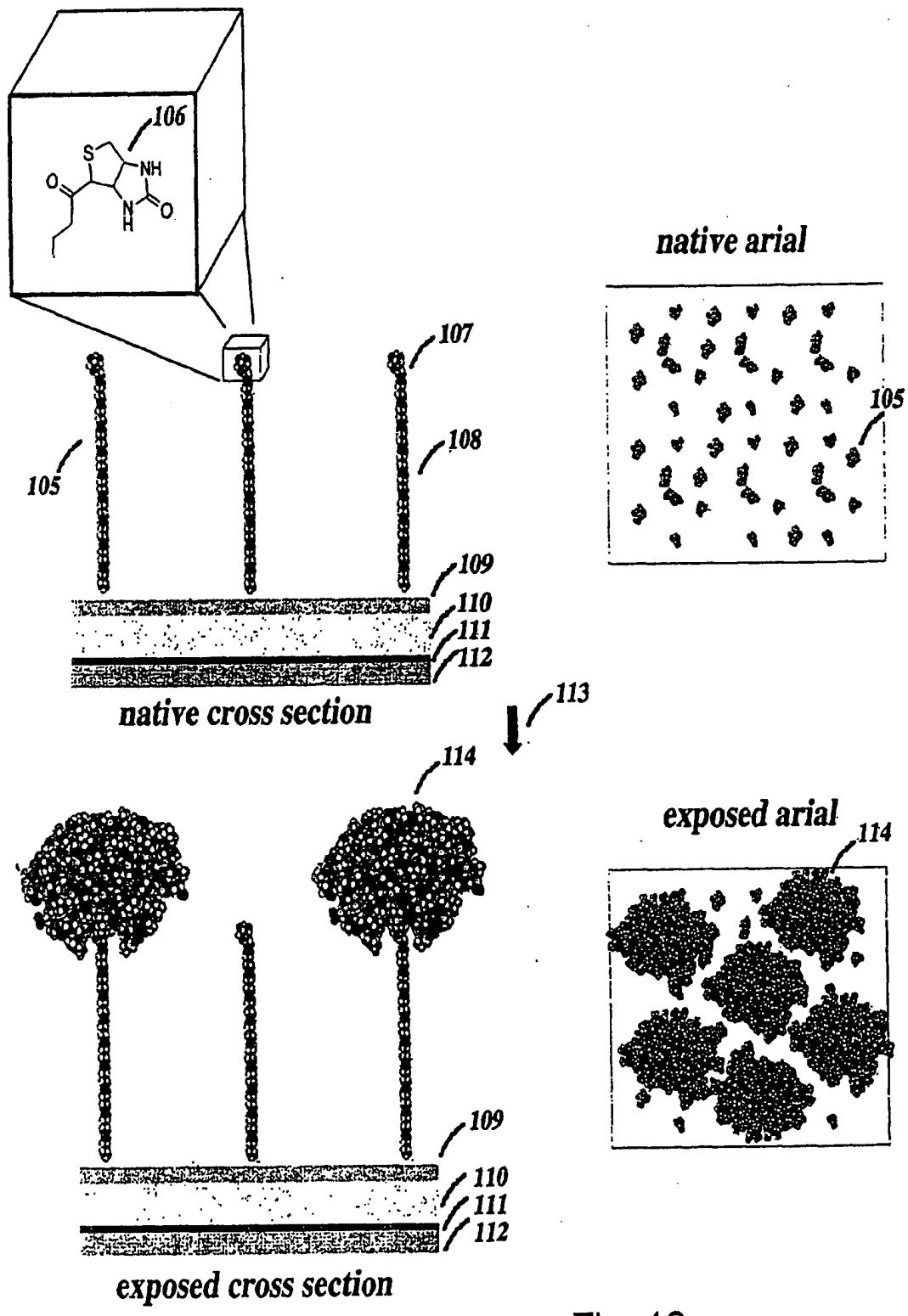


Fig. 12

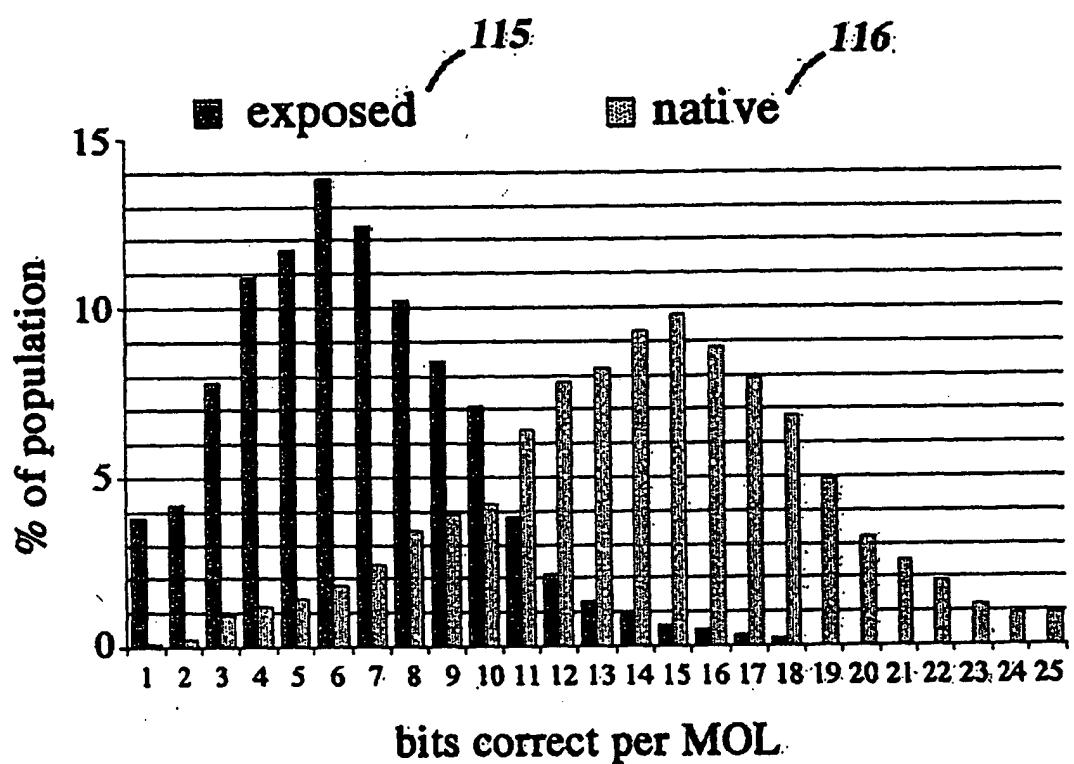


FIG. 13